

Safety Data Sheet 1600U35 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/03/2016 Version: 1.0

1.1. Identification	
Product form	
	: Substance
Substance name	: 1-Bromo-3,5-difluoro-4-iodobenzene
CAS No	: 160976-02-3
Product code	: 1600-U-35
Formula	: C6H2BrF2I
Other means of identification	: MFCD01861126
1.2. Relevant identified uses of the s	substance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the sat	fety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097	
nfo@synquestlabs.com - www.synquestlabs 1.4. Emergency telephone number	<u>is.com</u>
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificati	
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
	: Warning
Signal word (GHS-US)	
Signal word (GHS-US) Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
o ()	H319 - Causes serious eye irritation

1-Bromo-3,5-difluoro-4-iodobenzene Safety Data Sheet

2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informat	ion on in	gredients		
3.1. Substance				
Substance type	: Monc	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
1-Bromo-3,5-difluoro-4-iodobenzene (Main constituent)		(CAS No) 160976-02-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16		1		1
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general		se of accident or if you feel unwell, seek i e possible). Move the affected personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact	: Wash	n with plenty of soap and water. Get medi	cal advice/atter	ition.
First-aid measures after eye contact		ediately flush eyes thoroughly with water t ent and easy to do. Continue rinsing. Get		
First-aid measures after ingestion		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and ef	ects, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medi	cal attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
Fire hazard	: Therr	nal decomposition generates: Carbon ox ogen iodide.	ides. Hydrogen	bromide. Hydrogen fluoride.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective clothing i ratus. For further information refer to sect		
SECTION 6: Accidental release me	asures			
6.1. Personal precautions, protective	equipment	and emergency procedures		
General measures		uate unnecessary personnel. Ensure ade he gas, fumes, vapor or spray.	quate air ventila	ation. Do not breathe dust. Do not
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped with suitabl	e protective equ	uipment may intervene.
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		ment. For further information

12/06/2016

1-Bromo-3,5-difluoro-4-iodobenzene Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for containr	nent and cleaning up		
For containment	: Stop leak if safe to do so. Dike	for recovery or absorb with appropriate material	
Methods for cleaning up	chemical absorbent. Use explo	lke up large spills with pump or vacuum and fini- sion-proof equipment. Take up small spills with ills into appropriate container for disposal. Venti	dry chemical
Other information	: For disposal of solid materials	or residues refer to section 13 : "Disposal consid	lerations".
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling		ecautions have been read and understood. Ens Do not breathe dust, fumes, mist, spray, vapors. ntact with skin and eyes.	•
Hygiene measures		d industrial hygiene and safety procedures. Do i . Always wash hands after handling the product	
7.2. Conditions for safe storage, inclue	ding any incompatibilities		
Technical measures	: Comply with applicable regulat	ons.	
Storage conditions	: Keep container closed when n	t in use.	
Incompatible materials	: Refer to Section 10 on Incomp	atible Materials.	
Storage temperature	: 2 - 8 °C Use explosion proof re	frigerator	
Storage area	: Store in dry, well-ventilated are	a. Light sensitive.	
SECTION 8: Exposure controls/per	sonal protection		
8.1. Control parameters			
No additional information available			
8.2. Exposure controls			
Appropriate engineering controls		vork station. Emergency eye wash fountains an	d safety showers
		ediate vicinity of any potential exposure.	
Hand protection	: Protective gloves. 29 CFR 191		
Eye protection		sses. Face shield. 29 CFR 1910.133: Eye and F	ace Protection.
Skin and body protection	: Wear suitable protective clothi	-	Dervis
Respiratory protection	: In case of inadequate ventilation Protection.	n wear respiratory protection. 29 CFR 1910.134	: Respiratory
Other information	: Safety shoes. 29 CFR 1910.13	6: Foot Protection.	
SECTION 9: Physical and chemical	properties		
9.1. Information on basic physical and	• •		
Physical state	: Solid		
Appearance	: Low melting solid.		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
pH	: No data available		
Melting point	: 41 - 42 °C		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: No data available		
Explosion limits	: No data available		
•			
Explosive properties	: No data available		
Oxidizing properties Vapor pressure	: No data available : No data available		
			0.0
12/06/2016	EN (English US)	SDS ID: 1600U35	3/6

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 318.89 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1.	Reactivity			
No add	itional information available			
10.2.	Chemical stability			
The product is stable at normal handling and storage conditions.				
10.3.	Possibility of hazardous reactions			
No additional information available				
10.4.	Conditions to avoid			
Keep away from heat, sparks and flame.				
10.5.	Incompatible materials			
Strong	oxidizing agents.			
10.6.	Hazardous decomposition products			

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information 12.1. Toxicity No additional information available 12.2. Persistence and degradability
No additional information available
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considera	ations		
3.1. Waste treatment methods Vaste treatment methods	: Romovo to on authoriz	ad incinarator aquinnad wit	h on offerburner and a flue gas serubber
aste disposal recommendations			h an afterburner and a flue gas scrubber. licensed collector's sorting instructions.
dditional information	1		icensed collector's solving instructions.
	: Recycle the material as	s lar as possible.	
ECTION 14: Transport informat	ion		
epartment of Transportation (DOT)			
accordance with DOT			
ot regulated for transport			
DG			
o additional information available			
ransport by sea			
o additional information available			
ir transport			
o additional information available			
ECTION 15: Regulatory information	ation		
5.1. US Federal regulations			
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:			
1-Bromo-3,5-difluoro-4-iodobenzene	CAS	No 160976-02-3	100%
This product or mixture does not contain a CFR §372.38(a) subject to the reporting re and 40 CFR Part 372.			minimis concentration as specified in 40 andments and Reauthorization Act of 1986
5.2. International regulations			
lo additional information available			
U-Regulations			
o additional information available			
ational regulations			
lo additional information available			
5.3. US State regulations			
California Proposition 65 - This product	does not contain any substance	s known to the state of Calit	fornia to cause cancer
and/or reproductive harm			
ECTION 16: Other information			
ull text of H-phrases: Eye Irrit. 2A		Serious eve damago/ov	ve irritation Category 2A
Skin Irrit. 2		Skin corrosion/irritation	
STOT SE 3			xicity (single exposure) Category 3
5101020		Speeme target organ to	Along (onigio expectato) dategory o

	Central Cyc damage/Cyc innation Category 2/1
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.